

FORM PTO-1390

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

066783-0152

**10/526256**

INTERNATIONAL APPLICATION NO  
PCT/US2003/023926

INTERNATIONAL FILING DATE  
30 July 2003 (30.07.2003)

PRIORITY DATE CLAIMED  
30 August 2002 (30.08.2002)

**TITLE OF INVENTION**

MUTATIONS IN NOD2 ARE ASSOCIATED WITH FIBROSTENOSING DISEASE IN PATIENTS WITH CROHN'S DISEASE

**APPLICANTS FOR DO/EO/US**

ABREU, Maria T., TAYLOR, Kent D., ROTTER, Jerome I., YANG, Huiying, SUGIMURA, Kazuhito, TARGAN, Stephan R.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendment has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821(f)(g).
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information.  
Form PCT/IB/308 dated March 11, 2004, Paper copy of sequence listing pages 1 thru 19, Return Postcard.

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

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DATE OF DEPOSIT: February 28, 2005

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE, AND IS ADDRESSED TO: Mail Stop PCT, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Sarah Nunez

(TYPED OR PRINTED NAME OR  
PERSON MAILING PAPER OR FEE)

(SIGNATURE OF PERSON MAILING PAPER OR FEE)

|   |              |  |   |   |              |
|---|--------------|--|---|---|--------------|
| U.S. APPLIC. NO. (if known, see 37 CFR 1.50)<br><div style="font-size: 1.5em; font-weight: bold; text-align: center;">10/526256</div>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/US2003/023926                               |   | ATTORNEY'S DOCKET NUMBER<br>066783-0152 |              |
|   |              |  |   | CALCULATIONS                            | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><input checked="" type="checkbox"/> Basic National Stage Fee <span style="float: right;">\$300</span>  |              |  |   | \$300                                   |              |
| 22. <input checked="" type="checkbox"/> Examination Fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) <span style="float: right;">\$100</span><br>All other situations <span style="float: right;">\$200</span>   |              |  |   | \$200                                   |              |
| 23. <input checked="" type="checkbox"/> Search Fee<br>Search fee (37 CFR 1.445(1)(2)) has been paid on the international application to the USPTO as an International Searching Authority <span style="float: right;">\$100</span><br>International Search Report prepared and provided to the Office <span style="float: right;">\$400</span><br>All other situations <span style="float: right;">\$500</span>   |              |  |   | \$100                                   |              |
| TOTAL OF 21, 22 and 23 =  |              |  |   | \$600                                   |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |  |   | \$0                                     |              |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction<br>Thereof (round up to a whole number) | RATE  |   |              |
| -100  | /50=         |  | X\$250  | \$0                                     |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |   | \$130                                   |              |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA   | RATE  |   |              |
| Total Claims  | 23-20 =      | 3  | x \$50.00   | \$150                                   |              |
| Independent Claims  | 2-3 =        | 0  | x \$200.00  | \$0                                     |              |
| Multiple dependent claim(s) (if applicable) No  |              |  | + \$360.00  | \$0                                     |              |
| TOTAL OF ABOVE CALCULATIONS =   |              |  |   | \$880                                   |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |              |  |   |   |              |
| SUBTOTAL =  |              |  |   | \$880                                   |              |
| Processing fee of \$130.00 for furnishing the English translation later than the 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |  |   | \$                                      |              |
| TOTAL NATIONAL FEE =  |              |  |   | \$880                                   |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |  |   | \$                                      |              |
| TOTAL FEES ENCLOSED =   |              |  |   | \$880                                   |              |
|   |              |  |   | Amount to be refunded                   | \$           |
|   |              |  |   | Amount to be charged                    | \$880        |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>502624</u> in the amount of \$ <u>880</u> to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>502624</u> . A duplicate copy of this sheet is enclosed. |              |  |   |   |              |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.<br>SEND ALL CORRESPONDENCE TO:<br>Customer Number 41552<br>Telephone: 858.535.9001<br>Facsimile: 858.597.1585   |              |  |   |   |              |
|   |              |  | SIGNATURE<br> |   |              |
|   |              |  | NAME: Deborah L. Cadena   | DATE: 28 February 2005                  |              |
| REGISTRATION NUMBER: 44,048   |              |  |   |   |              |